FORM PTO-1449

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

ATTY. DOCKET NO. 258/193	SERIAL NO. 09/781,046
APPLICANT: Kangsheng Wang	
FILING DATE: 02/08/2001	GROUP: 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
TNT	AA	5,744,335	4/28/98	Wolff, J.A. et. al.	435	458	9/19/95
TNT	EE	6,063,630	5/16/00	Treco et al	435	463	4/20/94

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	TRANSLATION NO
TNT	AB	WO 99/42569	8/26/99	PCT Publication	—	—		X
	AC	WO 99/40213	8/12/99	PCT Publication	—	—		X
	AD	WO 93/24626	12/3/93	PCT Publication	—	—		X
	AE	0 431 839 A1	6/12/91	EUROPE	—	—		X
	AF	0 431 839 B1	6/12/91	EUROPE	—	—		X
	AG	WO 99/38991	8/05/99	PCT Publication	—	—		X
	AH	WO 97/11597	4/03/97	PCT Publication	—	—		X
	AI	WO 90/08192	7/26/90	PCT Publication	—	—		X
	AJ	CN 1208600	2/24/99	CHINA	—	—		X
TNT	AK	RU 2081914	6/20/97	RUSSIA	—	—		X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

TNT	AL	Smith, K. (1999) "Sperm Cell Mediated Transgenesis: A Review," *Animal Biotechnology* 10(1&2): 1-13.
	AM	Gandolfi, F. (1998) "Spermatozoa, DNA Binding and Transgenic Animals," *Transgenic Research* 7(3): 147-155.
	AN	Spadafora, C. (1998) "Sperm Cells and Foreign DNA: a controversial relation," *BioEssays* 20(11): 955-964.
	AO	Lavitrano, M., et. al. (1999) "Human Decay Accelerating Factor Transgenic Pigs Obtained by Sperm Mediated Gene Transfer," *Transplantation Proceedings* 31: 972-974.
	AP	Liu, X.Y., et. al. (1999) Association of Foreign DNA with Sperm of Gilthead Seabream, *Sparus aurata*, After Sonication, Freezing, and Dimethyl Sulfoxide Treatments, *Marine Biotechnology* 1: 175-183.
TNT	AQ	Hasebe, M., et. al. (1998) "An Attempt to Produce Transgenic Chicken Mediating Sperm Cells as Vectors," *Journal of Applied Animal Research* 14: 143-150.

EXAMINER: Not Yet Assigned Maria N. Jon	DATE CONSIDERED: 8/19/02

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant

Information Disclosure Statement – Section 9 PTO-1449

FORM PTO-1449	ATTY. DOCKET NO. 258/193	SERIAL NO. 09/781,046
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT: Kangsheng Wang	
(Use several sheets if necessary)	FILING DATE: 02/08/2001	GROUP: 1632

	AR	Rottmann, O.J., et. al. (1996) "Liposome Mediated Gene-Transfer via Sperm Cells. High Transfer Efficiency and Persistence of Transgenes by Use of Liposomes and Sperm Cells and a Murine Amplification Element," *J. Animal Breed. Genet.* 113: 401-411.
	AS	Sperandio, S., et. al. (1996) "Sperm Mediated DNA Transfer in Bovine and Swine Species," *Animal Biotechnology*, 7: 59-77.
	AT	Maione, B., et. al., (1998) "Sperm-Mediated Gene Transfer in Mice," *Molecular and Development* 50:406-409.
	AU	Maione, B., et. al. (1997) "Activation of Endogenous Nucleases in Mature Sperm Cells upon Interaction with Exogenous DNA," *DNA and Cell Biology* 16(9): 1087-1097.
	AV	Birnstiel, M. and Busslinger, M., (1989) "Dangerous Liaisons: Spermatozoa as Natural Vectors for Foreign DNA?," *Cell* 57: 701-702.
	AW	Dickson, D. (1989) "'Dangerous' Liasons in Cell Biology" *Science* 244 1539-1540.
	AX	Brinster, R.L., et. al., (1989) "No Simple Solution for Making Transgenic Mice," *Cell* 59:239-241.
	AY	Tsai, H.J., et. al., (1997) "Sperm as a carrier to introduce an exogenous DNA fragment into the oocyte of Japanese abalone (Haliotis divorsicolor suportexta)," *Transgenic Research* 6(1): 85-95.
	AZ	Gagne, M. B., et. al., (1991) "Electroporation of Bovine Spermatozoa to Carry Foreign DNA in Oocytes," *Molecular Reproduction and Development* 29: 6-15.
	BA	Lavitrano, M., et. al., (1989) "Sperm Cells as Vectors for Introducing Foreign DNA into Eggs: Genetic Transformation of Mice," *Cell* 57: 717-723.
	BB	Wall, R.J., et. al. (1992) Making Transgenic Livestock, Genetic Engineering on a Large Scale, *Journal of Cellular Biochemistry* 49: 113-120.
	BC	Francolini, M., et. al (1993) Evidence for Nuclear Internalization of Exogenous DNA into Mammalian Sperm Cells, *Mol. Reprod. Devel.* 34: 133-139
	BD	Lavitrano, M., et. al. (1992) The Interaction Between Exogenous DNA and Sperm Cells, *Mol. Reprod. Devel.*, 31: 161-169.
	BE	Pursel, V. G., et.al. (1989) Genetic Engineering of Livestock, *Science* 244: 1281-1288.
	BF	Ward, K., (1991) The Application of Transgenic Techniques for the Improvement of Domestic Animal Productivity, *Current Opinion in Biotechnology* 2: 834-839.
	BG	Lonnerdal, B. (1996) Recombinant Human Milk Proteins -- An Opportunity and a Challenge, *American Journal of Clinical Nutrition* 63: 622-626.
	BH	Cozzi, E., et. al. (1994) Expression of Human Decay Accelerating Factor in Transgenics Pigs, *Transplantation Proceedings*. 26: 1402-1403.
	BI	Etherton, T.D., et. al. (1993) Mechanism by which Somatotropin Decreases Adipose Tissue Growth, *American Journal of Clinical Nutrition* 58 (Supp.): 287S-295S.
	BJ	Hurley, Carolyn K. et al., (1997) HLA Typing by Molecular Methods, *Manual of Clinical Laboratory Immunology* 140: 1098-1111.
	BK	Marijt, Erik A.F., et al (1993) Multiple Minor Histocompatibility Antigen Disparities Between a Recipient and Four HLA-Identical Potential Sibling Donors for Bone Marrow Transplantation, *Human Immunology*, 37, 221-228.
TNT	BL	Gardner, David K., et al. Culture and selection of viable blastocysts: a feasible proposition for human IVF?, *Human Reproduction Update* 1997, Vol. 3, No. 4, pp. 367-382.

EXAMINER: Not Yet Assigned	DATE CONSIDERED: 8/19/02

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant

FORM PTO-1449	ATTY. DOCKET NO. 258/193	SERIAL NO. 09/781,046
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT: Kangsheng Wang	RECEIVED
(Use several sheets if necessary)	FILING DATE: 02/08/2001	GROUP 1632 FEB 2 0 2002

TECH CENTER 1600/2900

	BL	Barnes, Frank L. et al., Blatocyst development and birth after in-vitro maturation of human primary oocytes, intracytoplasmic sperm injection and assisted hatching, *Human Reproduction*, Vol. 10 no. 12, pp. 3243-3247, 1995.
	BN	Katovich, Hurley et al., Histocompatibility: Interpretation and Correlation of HLA Typing for Bone Marrow Transplantation, http: www.bminfo.org bmt topics htm dnatype.htm, 10/24/2000, pp. 1-12.
	BO	What is HLA, *http://www.innogenetics.com/Website/Website.nsf/7df3b6bb9c0862e8c12567380052687f/e*, 10/24/2000, pp. 1-6.
	BP	McKenzie, John, Life-Saving Embryo? http://www.abcnews.go.com/onair/WorldNewsTongiht/wnt001003_testubebaby_feature.ht, 10/25/2000, pp. 1-2.
	BQ	Human embryonic stem cell and embryonic germ cell lines. http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrive&db=PubMed&list_uids=10.6. 10/25/2000, p. 1.
	BR	Neural differentiation of rhesus embryonic stem cells. http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=95.2. 10/25/2000, p.1
	BS	Isolation of a primate embryonic stem cell line. http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=75.4. 10/25/2000, pp. 1-2.
	BT	Histocompatibility: Interpretation and Correlation of HLA Typing for Bone Marrow Transplantation. http: /www.bmtinfo.org bmt/topics/htm/type_b.htm. 10/24/200, pp/1-9/
	BU	Qu, Zhuqing, et al., Development of Approaches to Improve Cell Survival in Myoblast Transfer Therapy, *The Journal of Cell Biology*, Volume 142, Number 5, Sept. 7, 1998, 1257-1267.
	BV	Yoder, Mervin C., et al., *In vivo* repopulating hematopoietic stem cells are present in the murine yolk sac at day 9.0 postcoitus, *Proc. Natl. Acad. Sci USA*, Vol. 94, pp. 6776, 6780, June 1997.
	BW	Kolosov, E., et al., Functional Characteristics of ES Cell-derived Cardiac Precursor Cells Identified by Tissue-specific Expression of the Green Fluorescent Protein, *The Journal of Cell Biology*, Volume 143, Number 7, Dec. 28, 1998, 2045-2056.
	BX	Gardner, David K., et al., Culture and transfer of human blastocysts increases implantation rates and reduces the need for multiple embryo transfers, *Fertility and Sterility*, Vol. 69, No. 1, January 1998, pp. 84-88.
	BY	Slager, H.G., et al., Transforming Growth Factor-β in the Early Mouse Embryo: Implications for the Regulation of Muscle Formation and Implantation, *Developmental Genetics* 14:212-224 (1993).
	BZ	Bain, Gerard, et al., Embryonic Stem Cells Express Neuronal Properties *In Vitro*, *Developmental Biology* 168, 342-357 (1995).
	CA	Rohwedel, J., et al., Muscle Cell Differentiation of Embryonic Stem Cells Reflects Myogenesis in Vivo: Developmentally Regulated Expression of Myogenic Determination Genes and Functional Expression of Ionic Currents, *Developmental Biology* 164, 87-101(1994).
	CB	NT2PrecursorCells, Instruction Manual, Catalog #204101, Revision #079006, 1999.
	CC	Li, Meng, et al., Generation of purified neural precursors from embryonic stem cells by lineage selection,. *Current Biology*, Vol. 8, No. 17, 1998.
	CD	Thomson, Jmaes A., et al., Embryonic Stem Cell Lines Derived from Human Blastocytes, *Science*, Vol. 282, 6 November 1998.
	CE	Reubinoff, Benjamin E., et al., Embryonic stem cell lines from human blastocysts: somatic differentiation in vitro, *Nature Biotechnology*, Vol. 18, April 2000.
	CF	Palacios, Ronald et al., *In vitro* generation of hematopoietic stem cells from an embryonic stem cell line, *Proc. Natl. Acad. Sci. USA*, Vol. 92, pp. 7530-7534, August 1995.
TNT	CG	Xu, Ming-jiang, et al., Stimulation of Mouse and Human Primitive Hematopoiesis by Murine Embryonic Aorta-Gonad-Mesonephros-Derived Stromal Cell Lines, *Blood*, Vol. 92, No. 8 (Sept. 15, 1998), pp. 2032-2040.

EXAMINER: Not Yet Assigned	DATE CONSIDERED: 8.19.02

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant

FORM PTO-1449	ATTY. DOCKET NO. 258/193	SERIAL NO. 09/781,046
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT: Kangsheng Wang	
(Use several sheets if necessary)	FILING DATE: 02/08/2001	GROUP: 1632

	CH	Dunnett, Stephen B., et al., Basic Transplantation Methods in Rodent Brain, *Neuromethods*, Vol. 36, pp. 113-148.
	CI	Castro, Anthony J., et al., Neural Transplantation in the Developing CNS, *Neuromethods*, Vol. 36, pp. 169-194.
	CJ	Barker, Roger A., et al., Preparation of Cell Suspensions for Transplantation, *Neuromethods*, Vol. 36, pp. 195-205.
	CK	Nikkhah, Guido, et al., Microtransplantation of Nigral Dopamine Neurons A Step-by-Step Recipe, *Neuromethods*, Vol. 36, pp. 207-231.
	CL	Huard, Johnny, et al., Gene Transfer to Muscle and Spinal Cord Using Herpes Simplex-Based Virus, *Stem Cell Biology and Gene Therapy*, 1998, pp. 179-200.
	CM	Gardner, David K. et al., Culture and transfer of human blastocysts increases implantation rates and reduces the need for multiple embryo transfers, *Fertility and Sterility*, Vol. 69, No. 1, January 1998.
	CN	Klug, Michael G. et al., Genetically Selected Cariomyocytes from Differentiating Embryonic Stem Cells From Stable Intracardiac Grafts, *J. Clin. Invest.*, Volume 98, Number 1, July 1996, 216-224.
	CO	Van Hennik, Paula B., et al., Highly Efficient Transduction of the Green Fluorescent Protein Gene in Human Umbilical Cord Blood Stem Cells Capable of Cobblestone Formation in Long-Term Cultures and Multilineage Engraftment of Immunodeficient Mice, *Blood*, Vol. 92, December 1, 1998, pp. 4013-4022.
	CP	Thomson, James A. et al., Embryonic Stem Cell Lines Derived from Human Blastocysts, *Science*, Vol. 282, 6 November 19989, pp. 1145-1147.
	CQ	Weissman, Irving L. et al., Translating Stem and Progenitor Cell Biology to the Clinic: Barriers and Opportunities, *Science*, Vol. 287, 25 February 2000, pp. 1442-1446.
	CR	Schuldiner, Maya et al., Effects of eight growth factors on the differentiation of cells derived from human embryonic stem cells, *PNAS*, Vol. 97, October 10, 2000, pp. 11307-11312.
	CS	Wiles, Michael V. et al., Multiple hematopoietic lineages develop from embryonic stem (ES) cells in culture, *Development III*, 259-267 (1991).
	CT	Isacson, Ole et al., Gene Therapy of Huntington's Disease, *Gene Therapy for Neurological Disorders and Brain Tumors*, pp. 427-443.
	CU	Pechan, Peter A. et al., Gene Therapy for Ischemic Stroke, *Gene Therapy for Neurological Disorders and Brain Tumors*, pp. 397-408.
	CV	Senut, Marie-Claude et al., Gene Transfer for Adult CNS Regeneration and Aging, *Gene Therapy for Neurological Disorders and Brain Tumors*, pp. 345-375.
	CW	Bohn, Martha C. et al., Gene Therapies for Parkinson's Disease, *Gene Therapy for Neurological Disorders and Brain Tumors*, pp.377-395.
	CX	Medin, Jeffrey A. et al., *Gene Therapy of Enzyme and Immune Deficiencies in the Hemopoietic System*, pp. 386-413.
	CY	Kaye, Edward M., Gene Therapy for Lysosomal Storage Diseasese, *Gene Therapy for Neurological Disorders and Brain Tumors*, pp. 409-418.
	CZ	Davar, Gudarz, Gene Therapy for Pain, *Gene Therapy for Neurological Disorders and Brain Tumors*, pp. 419-426.
	DA	Chandran, Siddharthan et al., Neural Stem Cells for Transplantation, *Neuromethods*, Vol. 36: pp. 41-54.
	DB	Wolf, Eckhard et al., Transgenic technology in farm animals – progress and perspectives, *The Experimental Physiology (2000) pp. 615-625.*
TNT	DC	Squires, E.J., Status of Sperm-mediated Delivery Methods for Gene Transfer, 1999, *Transgenic Animals in Agriculture*, pp. 87-95.

EXAMINER: Not Yet Assigned	DATE CONSIDERED: 8.19.02

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant

FORM PTO-1449	ATTY. DOCKET NO.	SERIAL NO.
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	258/193	09/781,046
	APPLICANT: Kangsheng Wang	
(Use several sheets if necessary)	FILING DATE: 02/08/2001	GROUP: 1632

	DD	Gandolfi, F., Sperm-Mediated Transgenesis, 1999, *Theriogenology* 53: 127-137, 2000.
	DE	Chang, Il-Kuk et al., Production of Germline Chimeric Chickens by Transfer of Cultured Primordial Germ Cells, *Cell Biology International*, 1997, Vol. 21, No. 8, 495-499.
	DF	Wallen-Ohman, Marie et al., Ligation of MHC class I induces apoptosis in human pre-B cell lines, in promyelocytic cell ines and in CD40-stimulated mature B cells, *International Immunology*, Vol. 9, No. 4, pp. 599-606.
	DG	Chang et al., "Effective generation of transgenic pigs and mice by linker based sperm-mediated gene transfer," manuscript submitted to BMC Biotech on November 3, 2001.
	DH	Brackett et al., Uptake of Heterologous genome by mammalian spermatozoa and its transfer to ova through fertilization, PNAS (1971) 68:353-357.
	DI	Perry, AC. et al., Mammalian Transgenesis by intracytoplasmic sperm injection., "Science (1999) 284: 1180-1183.
TNT	DJ	Carballada R., Regulation of foreign DNA uptake by mouse spermatozoa, Exp Cell Research 2001, 262: 104-113.

EXAMINER: Not Yet Assigned	DATE CONSIDERED: 8.19.02

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant